

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/576, 093
Source: TFW0
Date Processed by STIC: 02/22/2007

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RAW SEQUENCE LISTING

DATE: 02/22/2007

PATENT APPLICATION: US/10/576,093

TIME: 13:44:33

Input Set : E:\22339-Sequence Listing.txt

Output Set: N:\CRF4\02222007\J576093.raw

3 <110> APPLICANT: Roche Molecular Systems
 5 <120> TITLE OF INVENTION: Method for Distinguishing MLL-PTD-Positive AML from Other
 AML
 6 Subtypes
 8 <130> FILE REFERENCE: 22339-US
 10 <140> CURRENT APPLICATION NUMBER: US 10/576,093
 C--> 11 <141> CURRENT FILING DATE: 2006-04-13
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012464
 14 <151> PRIOR FILING DATE: 2003-11-04
 16 <160> NUMBER OF SEQ ID NOS: 239
 18 <170> SOFTWARE: PatentIn version 3.4
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 491
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: misc_feature
 28 <223> OTHER INFORMATION: n = any nucleotide
 30 <400> SEQUENCE: 1
 31 gaagcccaaa aactcttgga gcaatataag gaagaaagca aaaaggctct tccaccagaa 60
 33 aagaaacaga acactggctc aaagaaaagc aataaaaata agagtggcaa gaaccagttt 120
 35 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga 180
 37 ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt 240
 39 ggtggcggtg gaggaagtgg tggaatcggc tatccatacc ctctggtccc tgtttttcct 300
 41 ggccgtggtg gttactcaaa cagaggggaa tacaacagag gtggaatgcc caacagaggg 360
 43 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag 420
 45 ggctacaacc agtggcagca gggtaattc tggggtcaga agccatggag tcagcattat 480
 47 caccaaggat a 491
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 51 <211> LENGTH: 307
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 2
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 58 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc 120
 60 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca 180
 62 gaattcaattt tctttaacca gtctgaagtt tcatattatga tacaaaagaa gatgaaaatg 240
 64 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct ttttaagatgt 300
 66 gtcttca 307
 69 <210> SEQ ID NO: 3
 70 <211> LENGTH: 519
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Homo sapiens
 74 <400> SEQUENCE: 3

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75 gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg      60
77 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca      120
79 tgtgactggt atgattatca gaatatgtct taacttttta gggcaaagtt aacctgaaa      180
81 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact      240
83 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat      300
85 tactgtttta atgattcagt ttcttcagag tggtaatgtt ataaaattgc tattgcagct      360
87 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt      420
89 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttgttacâ câttttgttâ      480
91 gtctgggttt tggtgcttat cgggtttaat attgttcctt      519
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 140
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 4
100 ctacctatcc tgaatggtct gtcattgtct gcctttaaaa tccttcctct ttcttcctcc      60
102 tctattctct aaataatgat ggggctaagt tatacccaaa gtcacttta caaaatattt      120
104 cctcagtact ttgcagaaaa      140
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 425
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
112 <400> SEQUENCE: 5
113 gtcatatcat ttcactgtct aggctacaac aggattctag gtggagggtg tgcattgtgt      60
115 cctttttatc tgatctgtga ttaaagcagt aatattttta gatggactgg gaaaaacatc      120
117 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgctgg      180
119 atggtattaa tcttgtgtag tcttcaactg gttagtgtga aatagtcttg ccacctctga      240
121 cgcaccactg ccaatgctgt acgtactgca tttgccctt gagccagggt gatgtttacc      300
123 gtgtgttata taacttcctg gtccttcac tgaacatgcc tagtccaaca ttttttccca      360
125 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttggt cataattctt      420
127 ccaaa      425
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 454
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 6
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138 gtgggtgtct tgtgtccgct tctcgccaa cagcagcaac cctatcatcg tctcctgtgg      120
140 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat      180
142 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc      240
144 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac      300
146 gctagatggg ggggacatca tcaacgcctt gtgcttcagc cctaaccgct actggctgtg      360
148 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga      420
150 actgaagcaa gaagtatca gtaccagcag caag      454
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 373
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 7
159 atcagggtat ttgttccacc ttggccaggc ctctcggag aagcttgctc cccgtgtggg      60

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161 agggacggag ccggactgga catggtcact cagtaccgcc tgcagtgtcg ccatgactga 120
163 tcatggctct tgcatttttg ggtaaatgga gacttcaggga tcctgtcagg gtgtccccc 180
165 tgcctggaag aggagctggt ggctgccagc cctggcggcg gcacagcctg ggccctccct 240
167 tccctcaagc cagggctcct cctcctgtcg tgggtcatt tgccaggctc aggccaggctc 300
169 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac 360
171 gtgaccactg gcc 373
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 494
176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
179 <400> SEQUENCE: 8
180 agtgccgaca ggacggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa 60
182 ttcctagaga gcggtggcca agatggggca ggggatgttg acgacctcga ggacctcgaa 120
184 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg 180
186 taatacgcaa agccggaccc gggcgctgcc gagaccctc gggggctgca caccagcag 240
188 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgtcgccg gaaacccaag 300
190 gaacctctct gaagtgcac ctcaccctta cacaccgtcc gttcaccctt gtctcttcct 360
192 tctgtctttt gggttttggg aaaccggat cctactctag gcagcccacc ttggtgggct 420
194 tgtttcctga aacctgatg tactttttca tacatgagtc tgtccagagt gcttgctacc 480
196 gtgttcggag tctc 494
199 <210> SEQ ID NO: 9
200 <211> LENGTH: 434
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 9
205 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca 60
207 tcgtcatcag ctggatgatc gcacagactg tctactgctgt tgccgggttg acttcctatc 120
209 catttgacac cgttcgccgc cgcatgatga tgcagtcagg gcgcaaagga actgacatca 180
211 tgtacacagg cacgcttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt 240
213 ttttcaaggg tgcattgtcc aatgtttctca gaggcattgg tgggtgcttt gtgcttgtct 300
215 tgtatgatga aatcaagaag tacacataag ttatttctta ggatttttcc ccctgtgaac 360
217 aggcattgtg tattctataa cacaatcttg agcatctctg acagactcct ggctgtcagt 420
219 ttctcagtgg caac 434
222 <210> SEQ ID NO: 10
223 <211> LENGTH: 416
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 10
228 gttggttcaa acttttggga gcacggactg tcagttctct gggaagtggg cagcgcatcc 60
230 tgcagggtct ctctctctct gtcttttggg gaaccagggc tcttctcagg ggctctaggg 120
232 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagtgtgaa 180
234 aatagaaaaa gtggagtggg tgaatcggtt gttctttcct cacatttgga tgattgtcat 240
236 aagggtttta gcatgttcct ccttttcttc accctccctt ttgttcttct attaatcaag 300
238 agaaacttca aagttaatgg gatggtcgga tctcacaggc tgagaactcg ttcacctcca 360
240 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg 416
243 <210> SEQ ID NO: 11
244 <211> LENGTH: 415
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens

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248 <400> SEQUENCE: 11
249 accccttggtg aagcccaaga tcgtcaaaaa gagaaccaag aagttcatcc ggcaccagtc      60
251 agaccgatat gtcaaaatta agcgttaactg gcggaaaccc agaggcattg acaacagggt      120
253 tcgtagaaga ttcaagggcc agatcttgat gcccaacatt ggttatggaa gcaacaaaaa      180
255 aacaaagcac atgctgccca gtggcttccg gaagttcctg gtccacaacg tcaaggagct      240
257 ggaagtgtg ctgatgtgca acaaacttta ctgtgccgag atcgctcaca atgtttcctc      300
259 caagaaccgc aaagccatcg tggaaagagc tgcccaactg gccatcagag tcaccaaccc      360
261 caatgccagg ctgctgcagtg aagadaaatga gtaggcagct catgtgcacg ttttc      415
264 <210> SEQ ID NO: 12
265 <211> LENGTH: 423
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 12
270 aataatttat tcccacatct acatcagtga aagctatcta cctatcctga gtctatctta      60
272 aaggaaaaaa agaaaaaac cttatctctt gcccttattt tgaattttcc actctttcat      120
274 taatttgttt taagctcctg ttggaaaaaa aggggtagtg cattttaaat tgaccttcat      180
276 acgcttttaa aataagacaa atctacttga taatgtacct ttatttgatc tcaagttgta      240
278 taaaaccaat aaatttgtgt tactgcagta gtaatcttat gcacacggtg atttcatgtt      300
280 atatatgcaa agtaggcaac tgttttctta gttacagaag tttcaagctt cacttttgtg      360
282 cagttagaac aaaagtaggc tacagtctgt gccatgttga tgtacagttt ctgaaattgt      420
284 ttt      423
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 358
289 <212> TYPE: DNA
290 <213> ORGANISM: Homo sapiens
292 <400> SEQUENCE: 13
293 tgcttctgga cacctgggac caggtctttg tctgggttgg aaaggattct caagaagaag      60
295 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggacca gccaatcggg      120
297 atcggcggac gccatcacc gtggtgaagc aaggcttga gcctccctcc tttgtgggct      180
299 ggttccttgg ctgggatgat gattactggt ctgtggacc cttggacagg gccatggctg      240
301 agctggctgc ctgaggagg gcagggccca cccatgtcac cggtcagtgc cttttggaac      300
303 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgt      358
306 <210> SEQ ID NO: 14
307 <211> LENGTH: 529
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 14
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314 gggaaagaag ctgagtttgc cagcataagt gccaaagacc atcaccagca tctgtccttc      120
316 aggggtgctg gacagaattc ttaccacagc aaaggcataa gatgcttgat acggaatac      180
318 agaaacttaa ctcttttgtt gcagatagtc atcagtggtc ctgtaaaaac gcagaggaaa      240
320 agagccagaa ggtttctgtt taatgcatct tgccttatct ttttttatta ctgtgtacaa      300
322 agattttttt acacaaagaa acttaagtgt gtattaataa attcagtgtg tagcttcaat      360
324 tgggtagatt ccaaaagtga agattttgtg aggaataagt gcaattttt tttttatatt      420
326 aaaaaattct ttgaaactct taagtctttg tgtctgcaat gaaattgtac tccttgacag      480
328 ttgatagatt atgtattctt ccacccctca aacttgcatt ccactatat      529
331 <210> SEQ ID NO: 15
332 <211> LENGTH: 529
333 <212> TYPE: DNA

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334 <213> ORGANISM: Homo sapiens

336 <400> SEQUENCE: 15

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337 tccgctttgt ggccacatgg tgtcagatga atatgagcag ctgtcctctg aagccctgga      60
339 ggctgcccga atttgtgcca ataagtacat ggtaaaaagt tgtggcaaag atggcttcca      120
341 tatccgggtg cggctccacc ccttccacgt catccgcac aacaagatgt tgctctgtgc      180
343 tggggctgac aggtccaaa caggcatgcg aggtgccttt ggaaagcccc agggcactgt      240
345 ggccagggtt cacattggcc aagttatcat gtccatccgc accaagctgc agaacaagga      300
347 gcatgtgatt gaggccctgc gcagggccaa gttcaagttt cctggccgcc agaagatcca      360
349 catctcaaag aagtggggct tcaccaagtt caatgctgat gaatttgaag acatgggtggc      420
351 tgaaaagcgg ctcatcccag atggctgtgg ggtcaagtac atccccagtc gtggccctct      480
353 ggacaagtgg cgggccctgc actcatgagg gcttccaatg tgctgcccc      529

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356 <210> SEQ ID NO: 16

357 <211> LENGTH: 393

358 <212> TYPE: DNA

359 <213> ORGANISM: Homo sapiens

361 <400> SEQUENCE: 16

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364 gtgggctgct ctgttcataa gggctttgcc ttcgttcagt atgttaatga gagaaatgcc      120
366 cgggctgctg tagcaggaga ggatggcaga atgattgctg gccagggttt agatattacc      180
368 ctggctgcag agccaaaagt gaaccgagga aaagcagggtg tgaaacgac tgcagcggag      240
370 atgtacggct cctcttttga cttggactat gactttcaac gggactatta tgataggatg      300
372 tacagttacc cagcacgtgt acctctcct cctcctattg ctgggctgt agtgcctcgc      360
374 aaacgtcagc gtgtatcagg aaacacttca cga      393

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377 <210> SEQ ID NO: 17

378 <211> LENGTH: 496

379 <212> TYPE: DNA

380 <213> ORGANISM: Homo sapiens

382 <400> SEQUENCE: 17

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383 taggtatata ctttggctct ccacagtcac gttgaggtgg gtcctctggt atggtaaaaa      60
385 gccaggata atgtaacttc acccagcct ttgtactaag ctcttgatag tggatatact      120
387 cttttaagtt tagccccaat atagggtaat ggaaatttcc tgccctctgg gttccccatt      180
389 tttactatta agaagaccag tgataattta ataatgccac caactctggc ttagttaagt      240
391 gagagtgtga actgtgtggc aagagagcct cacacctcac taggtgcaga gagcccaggc      300
393 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaagaca gcagcaagca      360
395 ttatacggtc atcttgaatg atccctttga aatttttttt ttgtttgttt gtttaaataa      420
397 agcctgaggc tgggtgaacag tagctacaca cccatattgt gtgttctgtg aatgctagct      480
399 ctcttgaatt tggata      496

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403 <211> LENGTH: 534

404 <212> TYPE: DNA

405 <213> ORGANISM: Homo sapiens

407 <400> SEQUENCE: 18

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408 aggtgcagaa tctcggcggg gagcttggtt tctctggggg ggacagcgcc atgtccctga      60
410 tccaggcagc caagaacttg atgaatgctg tgggtgcagac agtgaaggca tcctacgtcg      120
412 cctctaccaa ataccaaaag tcacagggtg tggcttcctt caaccttctt gctgtgtcat      180
414 ggaagatgaa ggcaccagag aaaaagccat tgggtgaagag agagaaacag gatgagacac      240
416 agaccaagat taaacgggca tctcagaaga agcacgtgaa cccgggtgcag gccctcagcg      300
418 agttcaaagc tatggacagc atctaagtct gcccaggccg gccgccccca cccctcgggg      360
420 ctctgaata tcagtcactg ttcgtcactc aatgaattt gctaaatata aactgatac      420

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seq#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seq#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seq#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60
L:1299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:300
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:480
L:1684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:1688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:2240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240
L:3644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240
L:3744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60
L:3825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60
L:3881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180
L:3885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:300
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
L:4511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:420
L:4513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:480
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120
L:5124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:5130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:180
L:5134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:300
L:5136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:360